PROCEEDINGS OF THE
ROYAL ENTOMOLOGICAL SOCIETY
OF LONDON

SERIES C. JOURNAL OF MEETINGS

VOLUME 19. No. 2, 1954.

ORDINARY MEETING.

WEDNESDAY, 7th April, 1954, at 5.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the Ordinary Meeting held on 3rd March, 1954.
2. Recommendations of candidates for Fellowship. First reading.
3. Recommendations of candidates for Fellowship. Second reading.
4. Announcement of election of new Fellows.
5. Additions to the Library. [See p. 7.]
6. Admission of Fellows.
7. Exhibits.

Fellows are particularly requested to bring suitable exhibits to the Meeting even though it may not be possible to announce their intention to do so beforehand.

Note.—To avoid congestion in the Library and to enable exhibits to be displayed to greater advantage, a table has been placed in the meeting-room for this purpose. Fellows are asked to place their exhibits on this table with a suitable explanatory note, as soon as possible on the afternoon of the meeting, so that they are available for inspection there before the meeting opens.

8. Communications.

Miss L. E. Cheesman.

A collecting expedition to Lifu Island (Loyalty Islands).

[ABSTRACT]

While on a collecting expedition to New Caledonia in 1949–50, ten weeks were spent on the atoll, Lifu, a succession of reef limestone plateaux elevated at different periods by Tertiary tectonic movements.

Collections support the theory of former land connection with New Caledonia from which it is separated by 50 miles. Flora and fauna are not of adventitious colonization but belong to New Caledonia, i.e. of Australian origin with a Papuan element. Endemicity points to isolation over a long period. An interesting illustration of the procedure of survival of certain forms on subsiding land is hereby furnished.

TEA will be served in the Library before the meeting.

PRELIMINARY NOTICE.

WEEKEND MEETING IN YORK,

23rd–26th JULY, 1954.

The Council of the Society has accepted an invitation to hold the July Meeting of the Society in York during the weekend 23rd–26th July, the Rev. T. B. Kitchen having kindly undertaken to be responsible for the local arrangements.

In addition to the formal meeting, the programme will include excursions to places of entomological interest (including a whole day visit to the Spurn Peninsula), and opportunities for Fellows to meet informally.

Accommodation will be available in St. John's College.

Full details of the programme and accommodation arrangements will be circulated to Fellows in the Spring.

As some idea of the number likely to attend would be of help to Mr. Kitchen in the preliminary arrangements, it would be appreciated if Fellows who hope to be present would inform the Registrar, at the same time indicating whether they will be accompanied by a guest.

Proceedings of the Ordinary Meeting held on 3rd March, 1954.

Dr. N. E. Hickin, Vice-President, in the Chair.

Present : 65 Fellows and 18 Visitors.

Before the meeting formally opened the Secretary announced that the President was at present in Malaya and had asked him to announce on his behalf that he had appointed Dr. W. J. Hall, Dr. N. E. Hickin and Mr. F. T. Vallins as his Vice-Presidents for the coming year, and had asked Dr. Hickin to take the Chair at this meeting.

The Chair having been taken by Dr. Hickin, he extended a welcome to Mr. Gurdas Singh, of Bikaner, India, now working on Orthoptera in this country.

The minutes of the Ordinary Meeting held on 20th January and of the Annual Meeting held on 3rd February, 1954, were confirmed and signed.

The names of the following candidates for election were read for the first time : Miss. Emy M. E. von Bertele; Major Charles Francis Cowan, R.A. ; Mr. John Forsyth Davidson, J.P., M.A. ; Mr. Charles Edward Dyte, B.Sc. ; Mr. Bernard Charles Albert Earl ; Mr. V. Kumar Gupta ; Dr. John Douglas Hood ; Father Guillermo Kuschel ; Miss Helen Margaret Morris, B.Sc., A.R.C.S. ; Mr. Charles Ronald Ribbands ; Mr. Suresh Chandra Saxena ; Mr. Hattiyangadi Shantaram, M.Sc. ; Mr. Gurdas Singh ; Mr. Prakash C. Singha, B.Sc. ; Mr. Gerald Stell, B.Sc. ; Professor O. Theodor ; Mr. Johan George Theron.

For the second time (taken as read) : Dr. Charles John Banks ; Mr. Sydney Roskruge Bowden ; Mr. Lionel Jack Dumbleton ; Mr. John Watson Egglestone ; Mr. Barry Goater, B.Sc. ; Mr. Roderick Donald MacCuaig ; Mr. Herbert Mansfield ; Dr. Shah Mashoodalam ; Mr. John Roantree, A.M.I.E.T. ; Mr. F. G. A. M. Smit ; Mr. John Spencer Timlin ; Dr. Herbert Ferdinand Jung ; Mr. Walter Archibald Wilson ; Dr. Abraham Willink ; Mr. Walter John Watts.

The Secretary read the names of the following newly elected Fellows of the Society : Mr. John Peter Thomas Boorman, B.A., 11, The Rose Walk, Purley, Surrey ; Mr. John Robert Chiswell, B.Sc., 42, Burchells Green Road, Kingswood, Bristol ; Mr. Cecil Paul Friedlander, B.Sc., A.R.C.S. ; 4, Montana Road, Wimbledon, London, S.W. 20 ; Mr. Colin Alec Hobday, 31, Marlborough Road, Breaston, Derbyshire ; Miss Dora Ilse, Ph.D., Reader in Zoology, Department of Zoology, University of Poona, Ganeshkina, Poona, 7, India ; Dr. Cecil George Johnson, Rothamsted Experimental Station, Harpenden, Herts. ; Mr. Daniel Wilfred Rorke, Jr., 294, Soutter Street, Pretoria West, Pretoria, South Africa.

Thanks were voted to donors of gifts to the Library since the last meeting.

Mr. P. Belton, Mr. Brian Gardiner and Mr. J. Newton signed the Obligation Book and were admitted Fellows of the Society.

Mr. Dennis Leston exhibited a female **Birketsmithia anomala** gen. et sp. n., a Pentatomid from the Cameroons collected by Dr. J. Birket-Smith of the Copenhagen University Expedition. As a rule, each family of Heteroptera has a single type of ovipositor : *B. anomala* is unique in that, unlike all other Pentatomoidea so far known, it has an elongate, blade-like, external ovipositor. The usual ovipositor in shieldbugs is a simple, scarcely sclerotic, tube formed by the first and second fused valvulae ; it is covered by the first valvifers. In *B. anomala* each of the first valvifers (appendages of segment 8) is produced ventrally as a long, flat, blade. The blades enclose an elongate tube formed by the grooved, sclerotic and rigid, processes of the fused first valvulae and fused second valvulae. The entire ovipositor, unlike that of Lygaeidae, is permanently erect.

The collection data indicates that the bugs occurred upon the inflorescences of a tree-like Composite : it would suggest that they oviposit deep within these flowers, a supposition supported by the ovarian eggs. These are much more elongate than is usual in Pentatomidae, cylindrical, and rounded at the base. The spermatheca, operculum and general morphology show that, although aberrant in the form of the female genitalia, *Birketsmithia* is fairly typical of the Pentatomini : it will be fully described in the expedition report in *Vid. Medd. Dansk Naturh. For.* shortly.

Dr. C. G. Butler gave a paper on " Queen Substance " and its importance in the life of the honey bee community, an abstract of which appeared on page 1, which was followed by a short discussion.

E. B. BRITTON, *Honorary Secretary.*

The next meeting will be held on 5th May at 5.30 p.m.

Additions to the Library.

Presented.

Fenn, Charles. *Diaries.* MS. 21 vols. 1859–97. [Mr. O. Howard.]

Purchased.

Commentationes biologicae, Helsingfors, **12.** [O. M. Reuter Commemoration volume.] 8vo. Helsingfors. 1951.

Komárek, Julius, *and* Tykač, Jaroslav. *Atlas motýlů* [Lepidoptera]. 8vo. Prague. 1952.

Roubal, Jan. *Catalogue des Coléoptères de la Slovaquie et de la Russie subcarpathique.* Vols. 2 and 3. 8vo. Bratislava. 1936–41. [Text in Czech.]

Stefferud, Alfred, *editor. Insects. The Yearbook of Agriculture,* 1952. 8vo. Washington. 1952.

Tykač, Julius. *Klíč k určování motýlů.* [Key for determination of Lepidoptera.] 8vo. Prague. 1949.

Verity, Roger. *Le farfalle diurne d'Italia.* Vol. 5. *Satyridae.* Text and plates. fol. Firenze. 1953.

In addition, separates have been presented by Hong Kong Biological Circle ; Lieut.-Colonel F. C. Fraser ; Dr. J. L. Cloudsley-Thompson ; Rothamsted Experimental Station ; The Director, East African Tsetse and Trypanosomiasis Research and Reclamation Organisation ; Mr. R. A. Harrison ; Mr. W. V. Harris ; United States Department of Agriculture ; Ministerio de Agricultura y Ganaderia, Argentina ; Mr. E. B. Basden ; Forest Research Institute, Dehra Dun ; Mr. P. F. Prevett ; Mr. R. C. Fisher ; and Aligarh Muslim University.

NOTICES

In addition to the *Transactions* and *Proceedings* (Series A, B and C), the following publications are available on application at the Society's rooms :—

THE GENERIC NAMES OF BRITISH INSECTS, WITH CHECK LISTS OF THE SPECIES, prepared by the Committee on Generic Nomenclature of the Royal Entomological Society of London, with the assistance of the Department of Entomology of the British Museum (Natural History) :—

Part 1.	Recommendations relating to the publication of the Committee's Reports	Price 6*d.*
„ 2.	Rhopalocera	„ 3*s.* 6*d.*
„ 3.	Odonata	„ 3*s.* 6*d.*
„ 4.	Neuroptera	„ 3*s.* 6*d.*
„ 5.	Hymenoptera Aculeata	„ 15*s.* 0*d.*
„ 6.	Coleoptera Carabidae	„ 10*s.* 0*d.*
„ 7.	Coleoptera Hydradephaga	„ 5*s.* 0*d.*
„ 8.	Hemiptera Heteroptera	„ 39*s.* 0*d.*
„ 9.	Coleoptera Staphylinidae	„ 40*s.* 0*d.*

HANDBOOKS FOR THE IDENTIFICATION OF BRITISH INSECTS.

The Society has undertaken the issue of a series of publications intended to provide illustrated Keys to the whole of the British Insect Fauna so far as this is possible.

It is proposed to cover this field in a series of ten volumes, arranged as follows :—

I. Part 1. General Introduction.
„ 2. Thysanura.*
„ 3. Protura.
„ 4. Collembola.*
„ 5. Dermaptera and Orthoptera.†
„ 6. Plecoptera.†
„ 7. Psocoptera.*
„ 8. Anoplura.
Part 9. Ephemeroptera.†
„ 10. Odonata.†
„ 11. Thysanoptera.*
„ 12. Neuroptera.
„ 13. Mecoptera.
„ 14. Trichoptera.
„ 15. Strepsiptera.
„ 16. Siphonaptera.

II. Hemiptera.* III. Lepidoptera. IV and V. Coleoptera.*
VI. Hymenoptera : Symphyta* and Aculeata.*
VII. Hymenoptera : Ichneumonoidea.*
VIII. Hymenoptera : Cynipoidea, Chalcidoidea and Serphoidea.
IX. Diptera : Nematocera† and Brachycera. X. Diptera : Cyclorrhapha.*

The following parts are now available :—

Vol. I, Part 5. Dermaptera and Orthoptera. By W. D. Hincks. Price 3*s.* 6*d.* plus postage.
Vol. I, Part 6. Plecoptera. By D. E. Kimmins. Price 3*s.* 6*d.* plus postage.
Vol. I, Part 9. Ephemeroptera. By D. E. Kimmins. Price 3*s.* 6*d.* plus postage.
Vol. I, Part 10. Odonata. By F. C. Fraser. Price 7*s.* 6*d.* plus postage.
Vol. IV, Part 3. Coleoptera, Hydradephaga. By F. Balfour-Browne. Price 6*s.* plus postage.
Vol. IV, Part 15. Coleoptera, Scolytidae and Platypodidae. By E. A. J. Duffy. Price 3*s.* 6*d.* plus postage.
Vol. V, Part 7. Coleoptera : Coccinellidae and Sphindidae. By R. D. Pope. Price 2*s.* 6*d.* plus postage.
Vol. V, Part 12. Coleoptera : Cerambycidae. By E. A. J. Duffy. Price 3*s.* 6*d.* plus postage.
Vol. VI, Part 2a. Hymenoptera : Symphyta (part). By R. B. Benson. Price 10*s.* 6*d.* plus postage.
Vol. VI, Part 2b. Hymenoptera : Symphyta (contd.). By R. B. Benson. Price 15*s.* 0*d.* plus postage.
Vol. IX, Part 1. Diptera : Introduction and Key to Families. By H. Oldroyd. Price 7*s.* 6*d.* plus postage.
Vol. IX, Part 2. Diptera, Nematocera : Families TIPULIDAE to CHIRONOMIDAE. By R. L. Coe, Paul Freeman and P. F. Mattingly. Price 20*s.* 0*d.* plus postage.
Vol. X, Part 1. Diptera : Syrphidae. By R. L. Coe. Price 17*s.* 6*d.* plus postage.

Parts marked † are on sale or in the press, those marked * in preparation.

Orders for the complete series or for separate parts can be placed with the Registrar at the Society's rooms now, but prices can only be quoted for those parts already issued.

Fellows of the Society may purchase one copy at a discount of 25 per cent. ; additional copies at the full published price.

STYLOPS, a Journal of Taxonomic Entomology.
1932–1935. Vols. 1–4 (all issued). Price £1 16*s.* 0*d.* each ; to Fellows £1 7*s.* 0*d.*

ABSTRACT OF PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. 1935. Nos. 1-6 (all issued). 3*s.* 0*d.*

HUBNER : A BIBLIOGRAPHICAL AND SYSTEMATIC ACCOUNT OF THE ENTOMOLOGICAL WORKS OF JACOB HUBNER AND THE SUPPLEMENTS THERETO. In 2 vols. By Francis Hemming. Price : Vol. 1. 605 pp. £1 15*s.* 0*d.*; Vol. 2. 275 pp. 15*s.* 0*d.*

THE HISTORY OF THE ENTOMOLOGICAL SOCIETY OF LONDON, 1833–1933. By S. A. Neave, assisted by F. J. Griffin. Price 10*s.* 6*d.*

SERIAL PUBLICATIONS IN THE LIBRARY OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. 1951. Price 5*s.* 0*d.*

Published by THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON *and sold at its rooms, 41, Queen's Gate, S.W. 7, price* 1*s.* 0*d.*

PRINTED BY ADLARD & SON LIMITED, BARTHOLOMEW PRESS, DORKING.